

Replacement Claims in Clean Form

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(Twice Amended) A smoking article including

a tobacco column;

a wrapper surrounding the tobacco column; and

a carbon monoxide pump including an adsorbent material for adsorbing carbon monoxide and subsequently releasing carbon monoxide or a reaction product thereof, thereby creating a flux during an inter-puff period from the adsorbent material separate from main stream combustion products, wherein the carbon monoxide pump is positioned proximate a smoker's mouthpiece end of the tobacco column with respect to the tobacco column so as to selectively divert carbon monoxide from main stream combustion products prior to inhaling by a smoker.

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(Twice Amended) A smoking article including:

a tobacco column;

a wrapper surrounding the tobacco column;

a carbon monoxide pump proximate a smoker's mouthpiece end of the tobacco column including:

an adsorbent material for adsorbing carbon monoxide;

a catalyst for oxidizing carbon monoxide to carbon dioxide; and

venting holes adjacent to the adsorbent material,

wherein the carbon monoxide pump selectively diverts carbon monoxide from main stream combustion products, the catalyst at least partially oxidizes the carbon monoxide to carbon dioxide and the venting holes provide an alternative path for the diverted carbon monoxide and the oxidized carbon monoxide desorbed from the adsorbent material during an inter-puff period to check inhalation by a smoker.

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46. (Twice Amended) A mouthpiece for a smoking article comprising:
a fitting to receive a smoking article, and
a carbon monoxide pump in the fitting including an adsorbent material for adsorbing carbon monoxide, wherein the carbon monoxide pump is positioned with respect to the smoking article so as to selectively divert carbon monoxide by desorption from the adsorbent material during an inter-puff period from main stream combustion products prior to inhaling by a smoker.

47. (Twice Amended) A mouthpiece for a smoking article comprising:
a fitting to receive a smoking article;
a carbon monoxide pump in the fitting including:
an adsorbent material for adsorbing carbon monoxide,
a catalyst for oxidizing carbon monoxide to carbon dioxide; and
venting holes adjacent to the adsorbent material,
wherein the carbon monoxide pump selectively diverts carbon monoxide from main stream combustion products by adsorption to and desorption from the adsorbent material, the catalyst at least partially oxidizes the carbon monoxide to carbon dioxide and the venting holes provide an alternative path for the diverted carbon monoxide and the oxidized carbon monoxide to check inhalation by a smoker.